

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 03/00381

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N27/14 G01F1/698 H01C17/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N G01F H01C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 472 239 A (HIGASHI ROBERT E ET AL) 18 September 1984 (1984-09-18)	1-4, 20-25, 31, 32
Y	abstract; figure 3 column 4, line 66 - column 5, line 19 column 6, line 38 - line 44 column 7, line 22 - line 29 column 8, line 59 - column 9, line 19 column 14, line 13 - line 24	5-7, 10-16, 18, 19, 26, 27
Y	EP 1 275 967 A (HONEYWELL INC) 15 January 2003 (2003-01-15) paragraphs '0022!-'0026!, '0032!-'0038!, '0042!, '0045!, '0048!-'0051!; figures	10-16, 26, 27
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *&* document member of the same patent family

Date of the actual completion of the international search

10 December 2003

Date of mailing of the international search report

18/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Savage, J

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 03/00381

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CAVICCHI R E ET AL: "Spin-on nanoparticle tin oxide for microhotplate gas sensors" SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 77, no. 1-2, 15 June 2001 (2001-06-15), pages 145-154, XP004246541 ISSN: 0925-4005 page 150 -page 151; figures 9-11 ---	5-7, 18
A	LEE J-Y ET AL: "A characterization of the thermal parameters of thermally driven polysilicon microbridge actuators using electrical impedance analysis" SENSORS AND ACTUATORS A, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 75, no. 1, 4 May 1999 (1999-05-04), pages 86-92, XP004170608 ISSN: 0924-4247 page 90, left-hand column ---	1, 23
Y	JI-SONG H ET AL: "Fabrication of thermal-isolation structure for microheater elements applicable to fingerprint sensors" SENSORS AND ACTUATORS A, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 100, no. 1, 15 August 2002 (2002-08-15), pages 114-122, XP004373768 ISSN: 0924-4247 paragraph '05.1! ---	19
E	WO 03 023794 A (GRUDIN OLEG ;FROLOV GENNADIY (CA); LANDSBERGER LESLIE M (CA); MICR) 20 March 2003 (2003-03-20) the whole document -----	1-32

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA 03/00381

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4472239	A	18-09-1984	DE 3279831 D1	24-08-1989
			EP 0076935 A2	20-04-1983
			JP 2553022 B2	13-11-1996
			JP 7193194 A	28-07-1995
			JP 2547356 B2	23-10-1996
			JP 3272428 A	04-12-1991
			US 4624137 A	25-11-1986
EP 1275967	A	15-01-2003	US 6234016 B1	22-05-2001
			EP 1275967 A1	15-01-2003
			EP 1363130 A2	19-11-2003
			DE 69817875 D1	09-10-2003
			EP 1049935 A2	08-11-2000
			WO 9934221 A2	08-07-1999
WO 03023794	A	20-03-2003	WO 03023794 A2	20-03-2003